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		Application Number	10/772,701			
TRANSMITTAL FORM		Filing Date	02/05/2004 Workman			
		First Named Inventor				
		Art Unit	1725			
		Examiner Name	Kevin P. Kerns			
(to be used for all correspondence after initial filling)		Attorney Docket Number	020627,035			
Total Number of Pages in This Submission 4 ENCLOSURES (Check all that apply)						
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After Final		→ Provisional Application ¬ Power of Attorney, Revocation	Provisional Application Power of Attorney, Revocation			
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under 37	7 CFR 1.52 or 1.53					
D-Name 1	SIGNATUI	RE OF APPLICANT, ATTO	KNEY, C	JK AGENT		
Firm Name Galla	gher & Dewsey Co., LPA					
Signature						
Printed name David J. Dawsey						
Date 3/22/2006 Reg. No. 51,044						
CERTIFICATE OF TRANSMISSION/MAILING						
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mall in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:						
Signature Signature						
Typed or printed name David J. Dawsey				Date	3/22/2006	

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including sathering, preparing, and submitting the completed application form to the USPTO. Timo will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Petent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450, DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PAGE 02

RESPONSE TO NOTICE OF NON-COMPLIANT AMENDMENT MAILED 3/17/2006
"Method for Repairing Defects in Metallic Substrate Using Welding".
Sarial No. 10/772 701

Serial No. 10/772,701
Examiner: Kevin P. Kerns
Atty. Docket No. 020627.035
Page 1 of 3

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

Inventors: David P. Workman, James L. Reynolds | Jr., Timothy J. Trapp, Jerry E. Gould | Examiner: Kevin P. Kerns | Serial No.: 10/772,701 | Art Unit: 1725 |

Filed: February 5, 2004 | Title: Method for Repairing Defects in Metallic Substrate Using Welding | Date: March 22, 2006 | Date: March 22, 2006 | Date: March 22, 2006 | Date: March 25, 2006 | Date: March 26, 2006 | Date: March 27, 2006 | Date: March 28, 2006 | Date: March 28, 2006 | Date: March 28, 2006 | Date: March 29, 2006 | Date: March 20, 2006 | Date: March 20,

5 RESPONSE TO NOTICE OF NON-COMPLIANT AMENDMENT MAILED 3/17/2006

FILED BY FACSIMILE TO 571-273-8300

Honorable Commissioner of Patents and Trademarks
Mail Stop: Non-Fee Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

15 Commissioner:

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This communication is in response to a Notice of Non-Compliant Amendment mailed on March 17, 2006. As this communication is being submitted within one month, it is believed to be timely. In accordance with the Notice, only the corrected section of the non-compliant amendment is submitted herein. The amended abstract now presented on a separate sheet. Thus, please replace the ABSTRACT with the following amended ABSTRACT:

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RESPONSE TO NOTICE OF NON-COMPLIANT AMENDMENT MAILED 3/17/2006 "Method for Repairing Defects in Metallic Substrate Using Welding" Serial No. 10/772,701 Examiner: Kevin P. Kerns Attv. Docket No. 020627.035 Page 2 of 3

A method for repairing defects in a metallic substrate including comprising the steps of placing a consumable filler slug in contact with the substrate in the vicinity of the defect; bringing a first electrode and a second electrode in contact with the consumable slug and applying a pressure to the consumable slug; and transmitting electrical current between the electrodes for a period, thereby resistively heating the consumable slug and the metallic substrate resulting in coalescence in a substantially liquid pool that fills the defect. The pool is then cooled to solidification under the pressure of the electrodes. The electrodes are then removed from contact with the consumable slug and excess material may be removed. The consumable slug may be formed as a single unit or multiple sections, and may incorporate sacrificial retainers to add additional defect filling material, retain the pool, and seal the pool from atmosphere.

03/22/

RESPONSE TO NOTICE OF NON-COMPLIANT AMENDMENT MAILED 3/17/2006
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Serial No. 10/772,701
Examiner: Kevin P. Kerns
Atty. Docket No. 020627.035
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Conclusion

In view of the above, it is submitted that this Response satisfies the Notice of Non-Compliant Amendment. Allowance of Claims 1-21 at an early date and issuance is solicited. If any question should arise with respect to the above remarks, or if it would in any way expedite the prosecution of this case, applicant's attorney would appreciate a telephone call at (614) 228-6280 extension 18.

	Respectfully submitted,
3/22/2006	Della
Date	David J. Dawsey

Gallagher & Dawsey Co., LPA USPTO Customer No. 34,142 (614) 228-6280 extension 18 (Telephone)

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CERTIFICATE OF FAX TRANSMISSION UNDER 37 CFR 1.8

I, undersigned, have transmitted the accompanying response by FAX to 571-273-8300 on March 22, 2006 at ________ to the United States Patent and Trademark Office.

David J. Dawsey

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